

Attorney Docket SPC 0397 PA
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IN THE SPECIFICATION

Please replace the paragraph starting on page 16, line 10 with the following:

Q1 It is worth noting that the constant bias circuit maintains a constant reverse bias across the cathode 106 and anode 104 of the light detector 102 irrespective of light current output. As such, the capacitance of the light detector 102 remains substantially constant during operation. However, even if the capacitance of the light detector 102 should change, the capacitance will not affect the impedance characteristics of the negative feedback loop 120. This is true whether the simulated inductor comprises only an inductor 122 in the negative feedback loop 120, as shown in Fig. 2, or whether the tuned circuit defined by the parallel combination of inductor 122 and capacitor 154 is used in the negative feedback loop 120, as shown in Fig. 3. This is because the negative feedback loop 120 is not connected in parallel with the light detector 102.